

Fig. 1

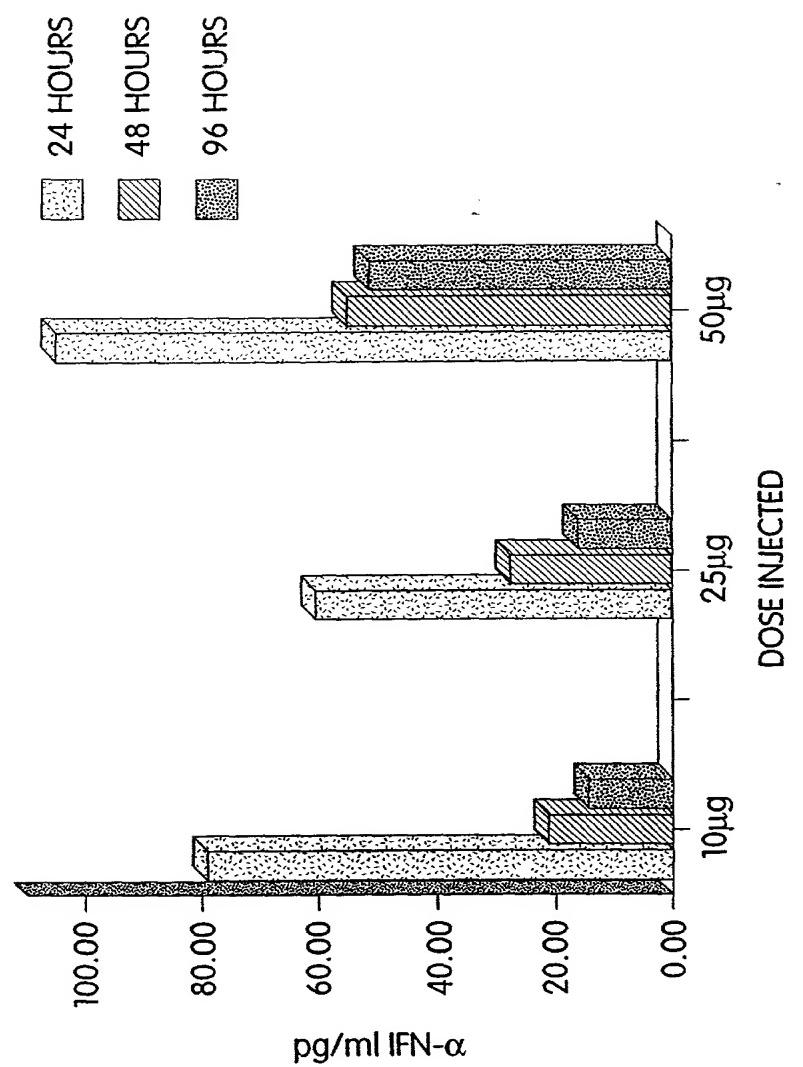
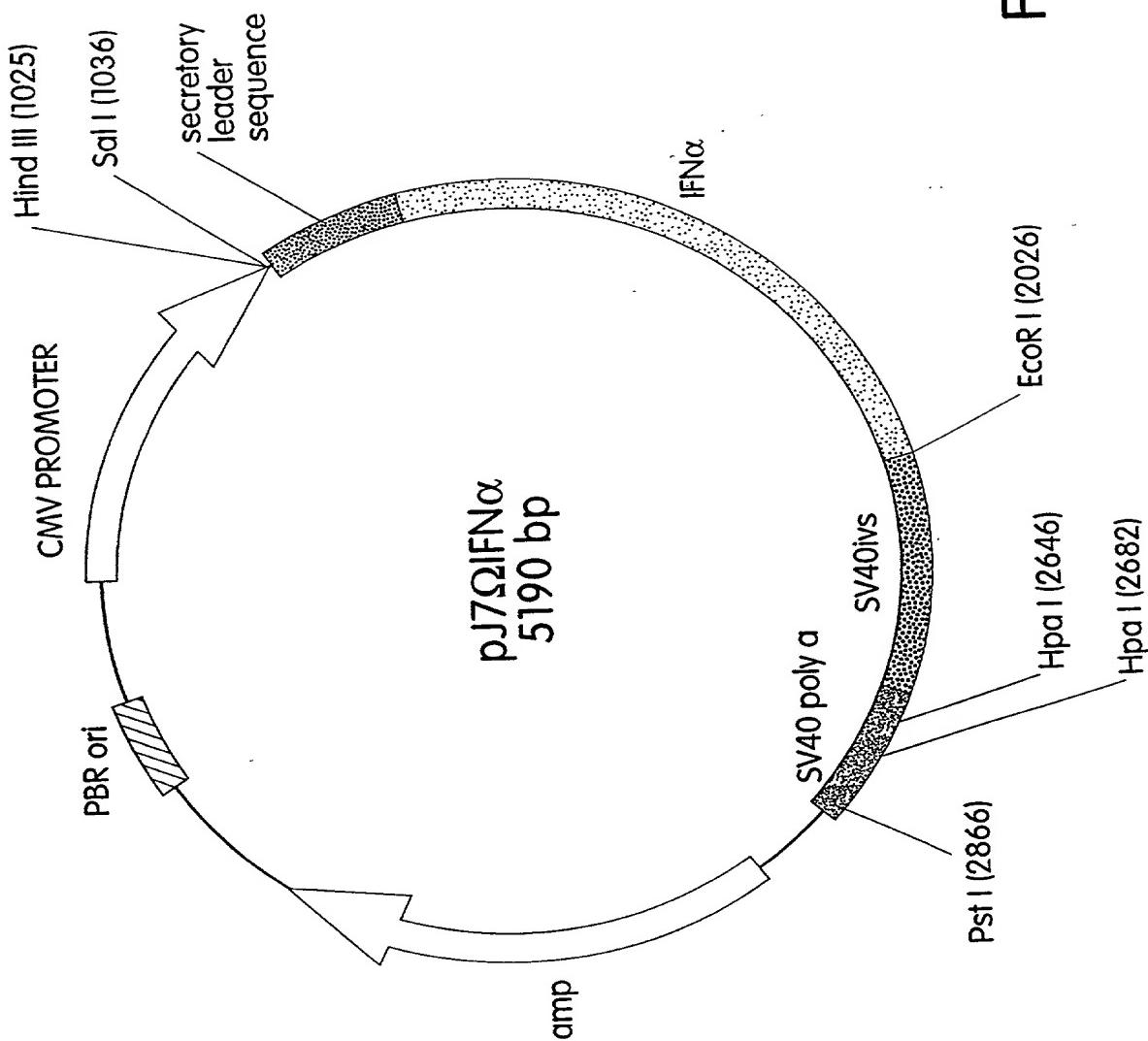


Fig. 2

Fig. 3



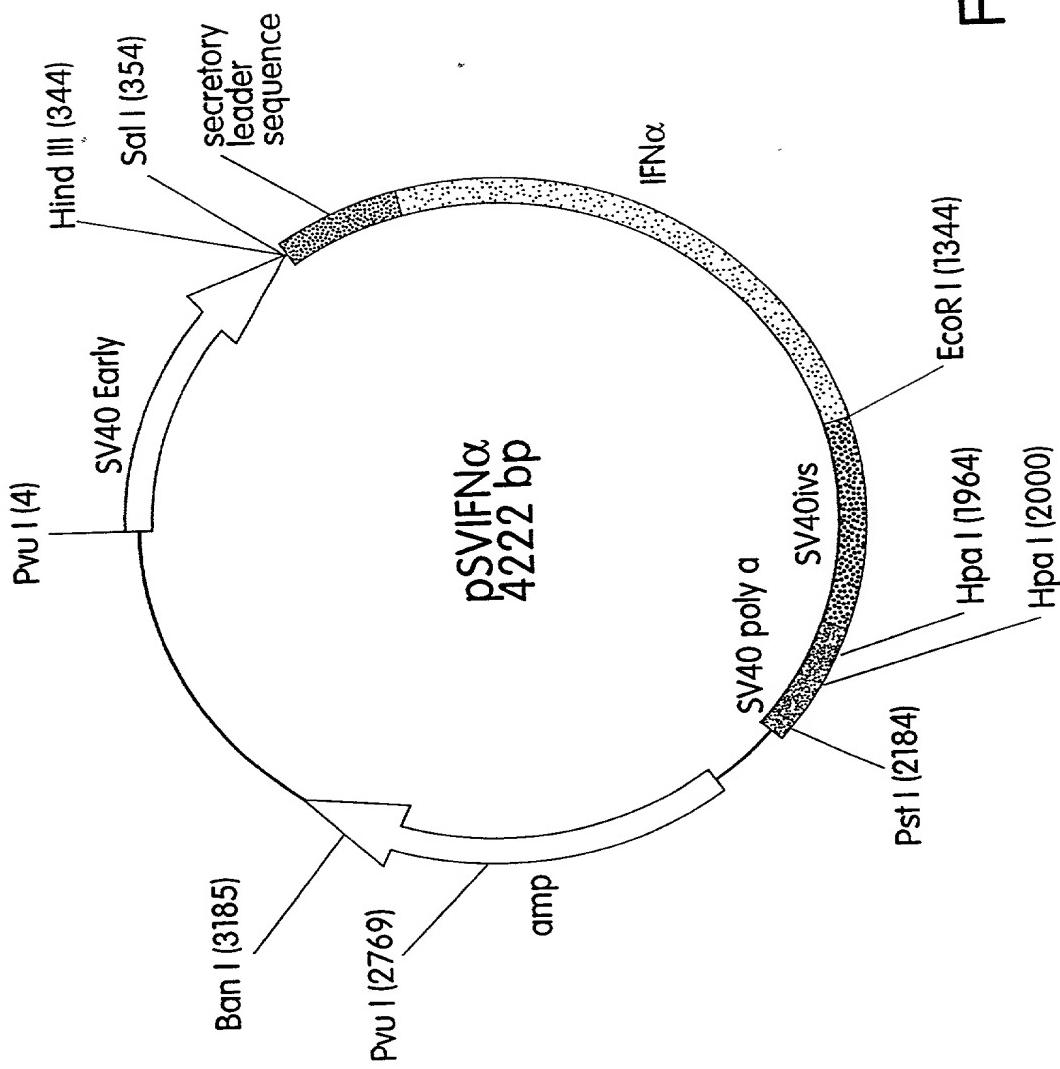
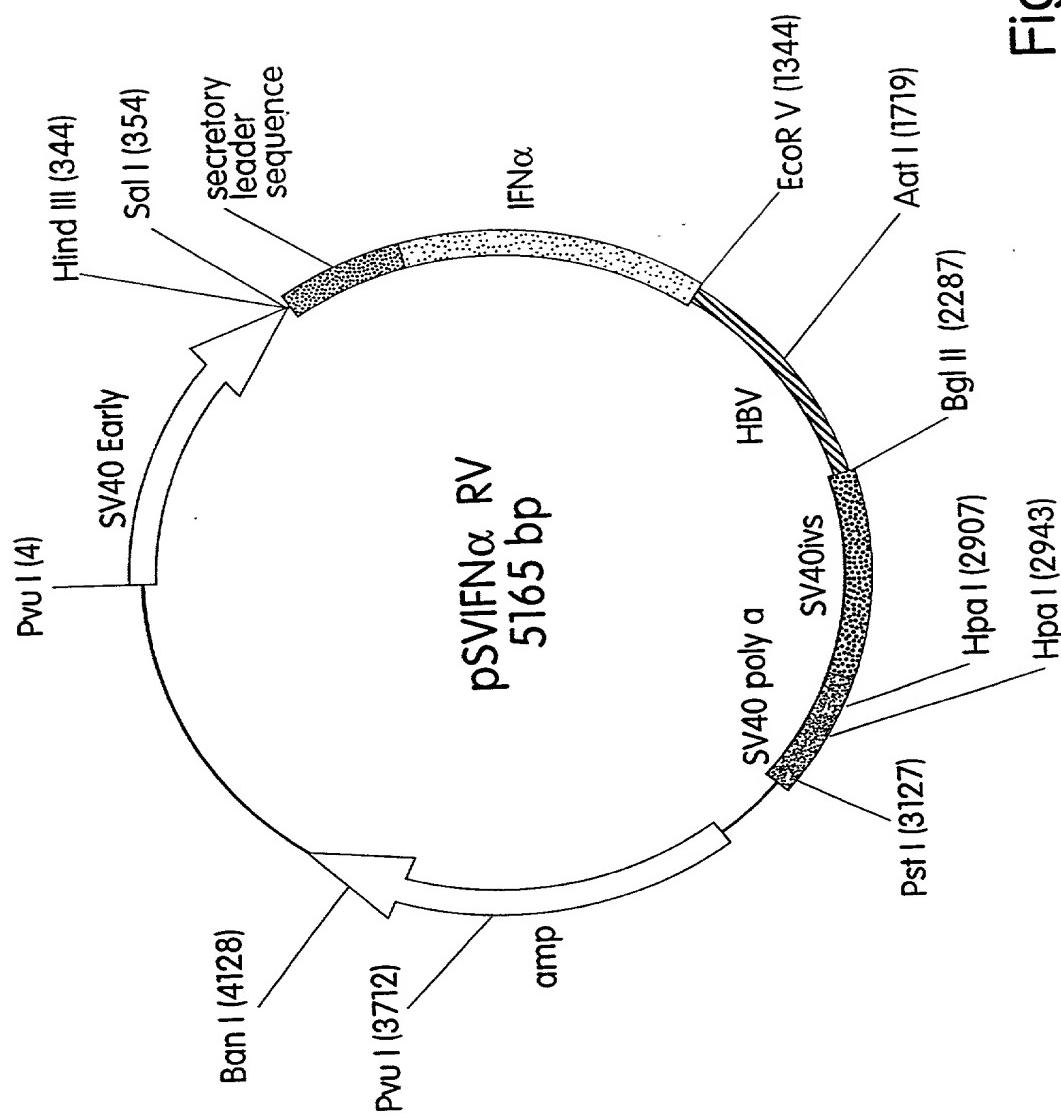
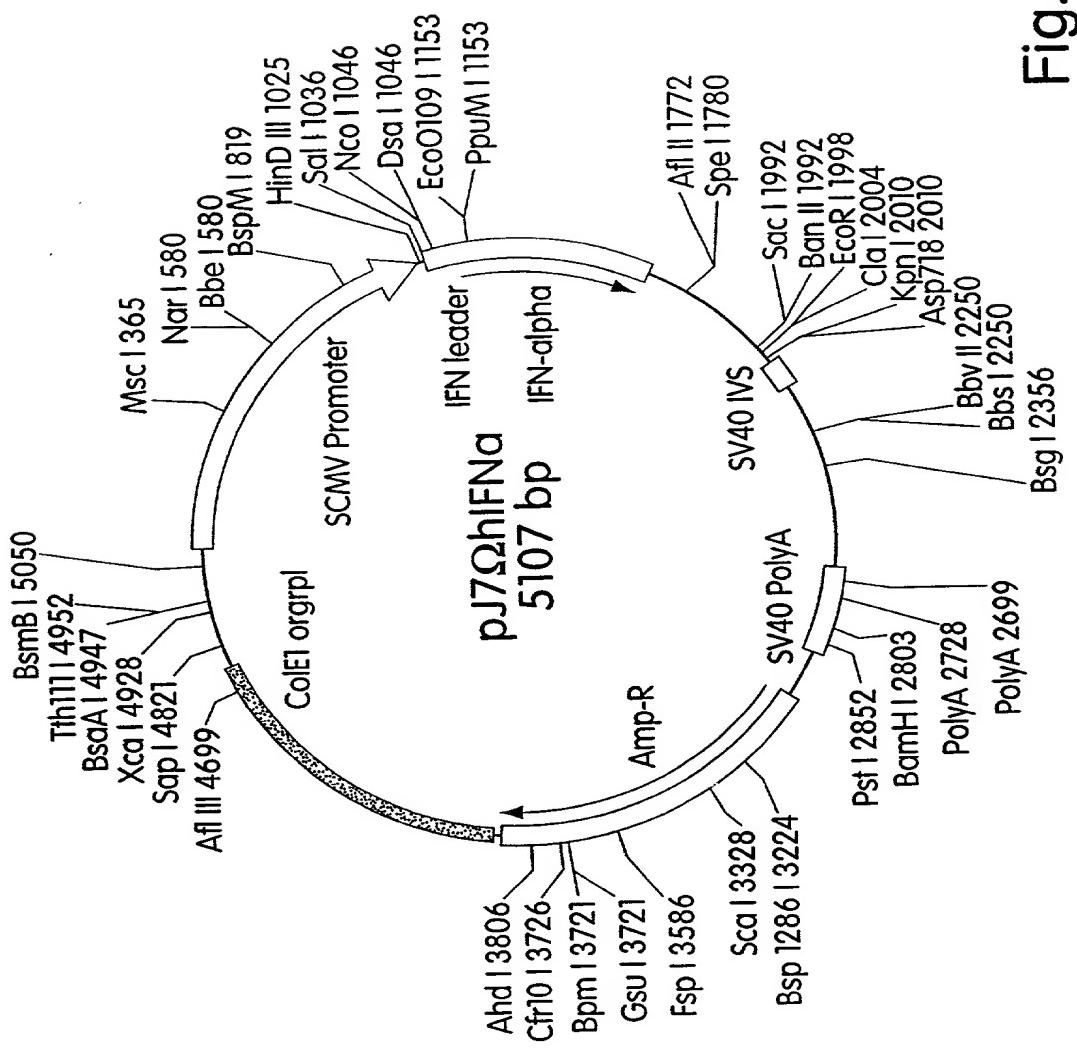


Fig. 4

**Fig. 5**

**Fig. 6**

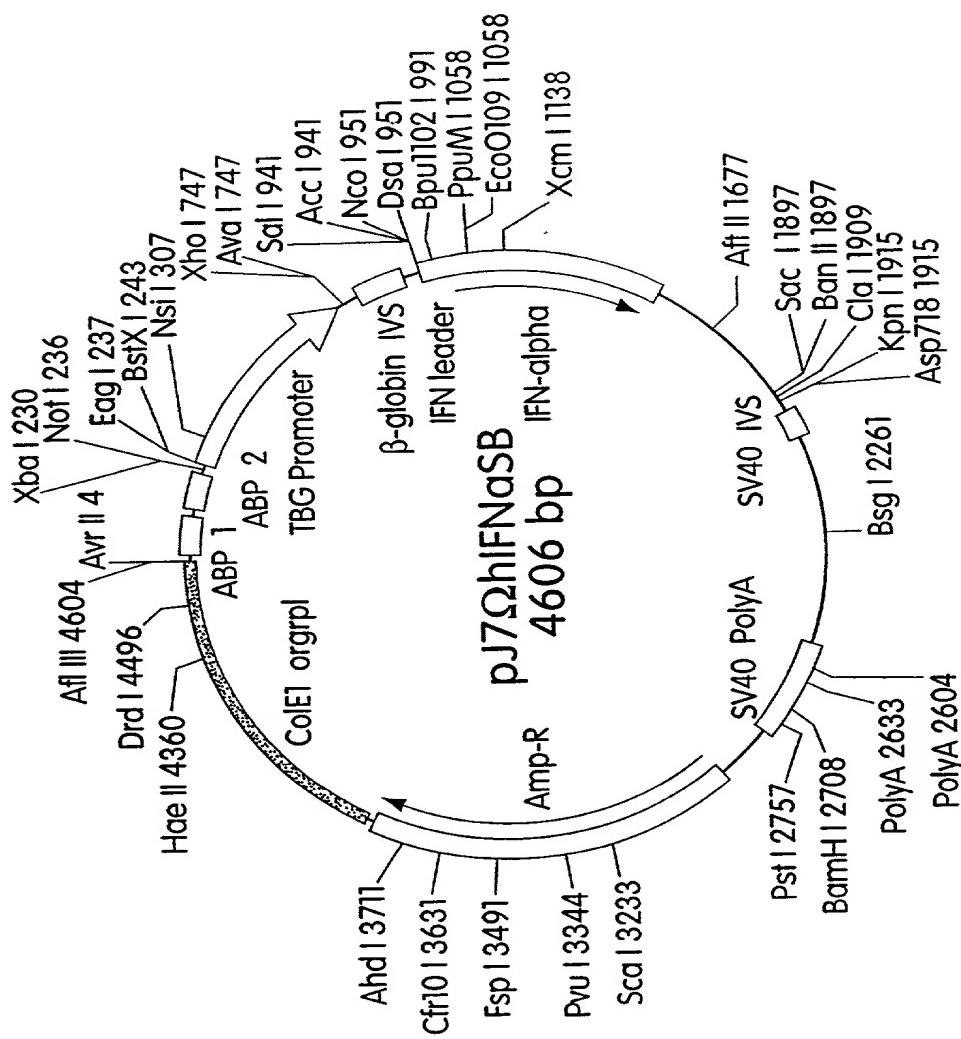


Fig. 7

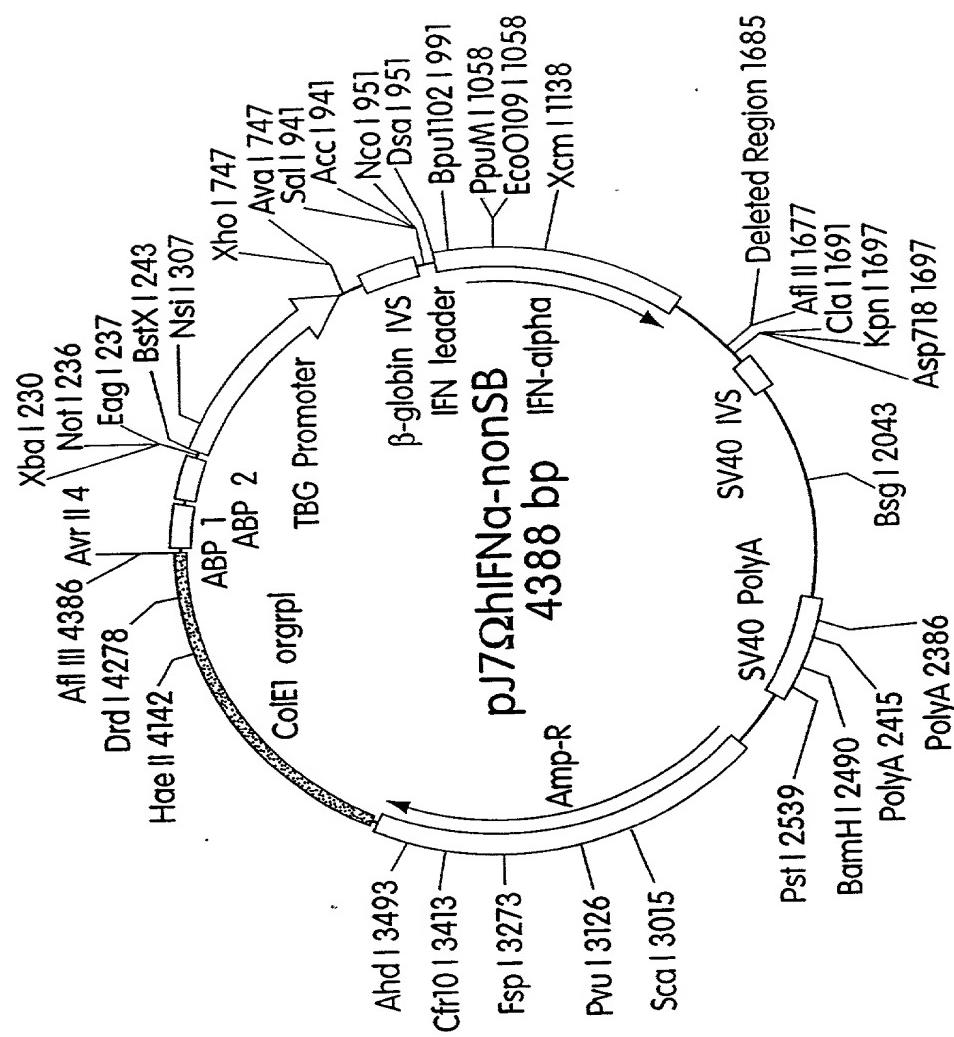


Fig. 8

W. U. S. C. T. F. a. D. C. A. P. G. G. G. G.

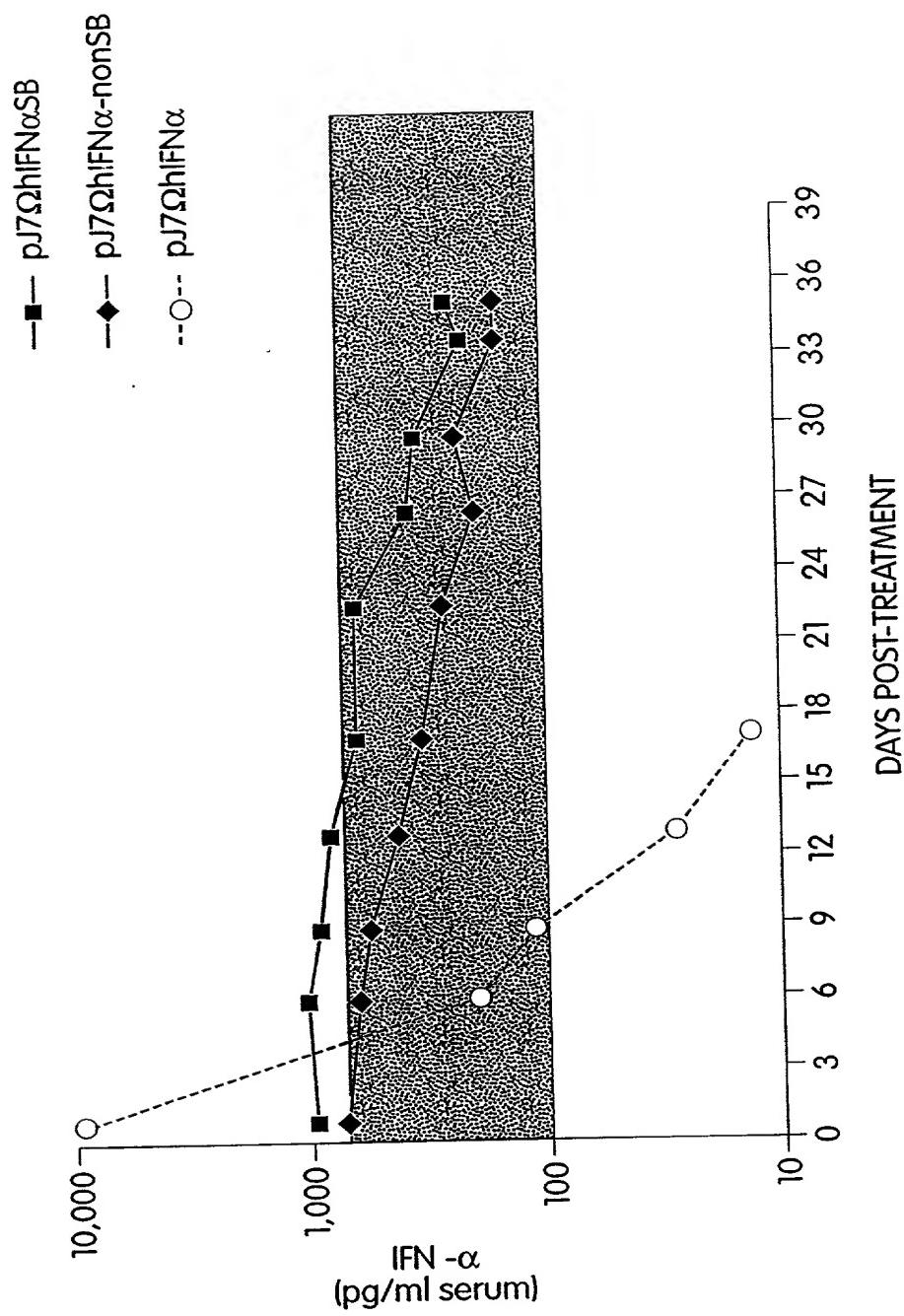


Fig. 9

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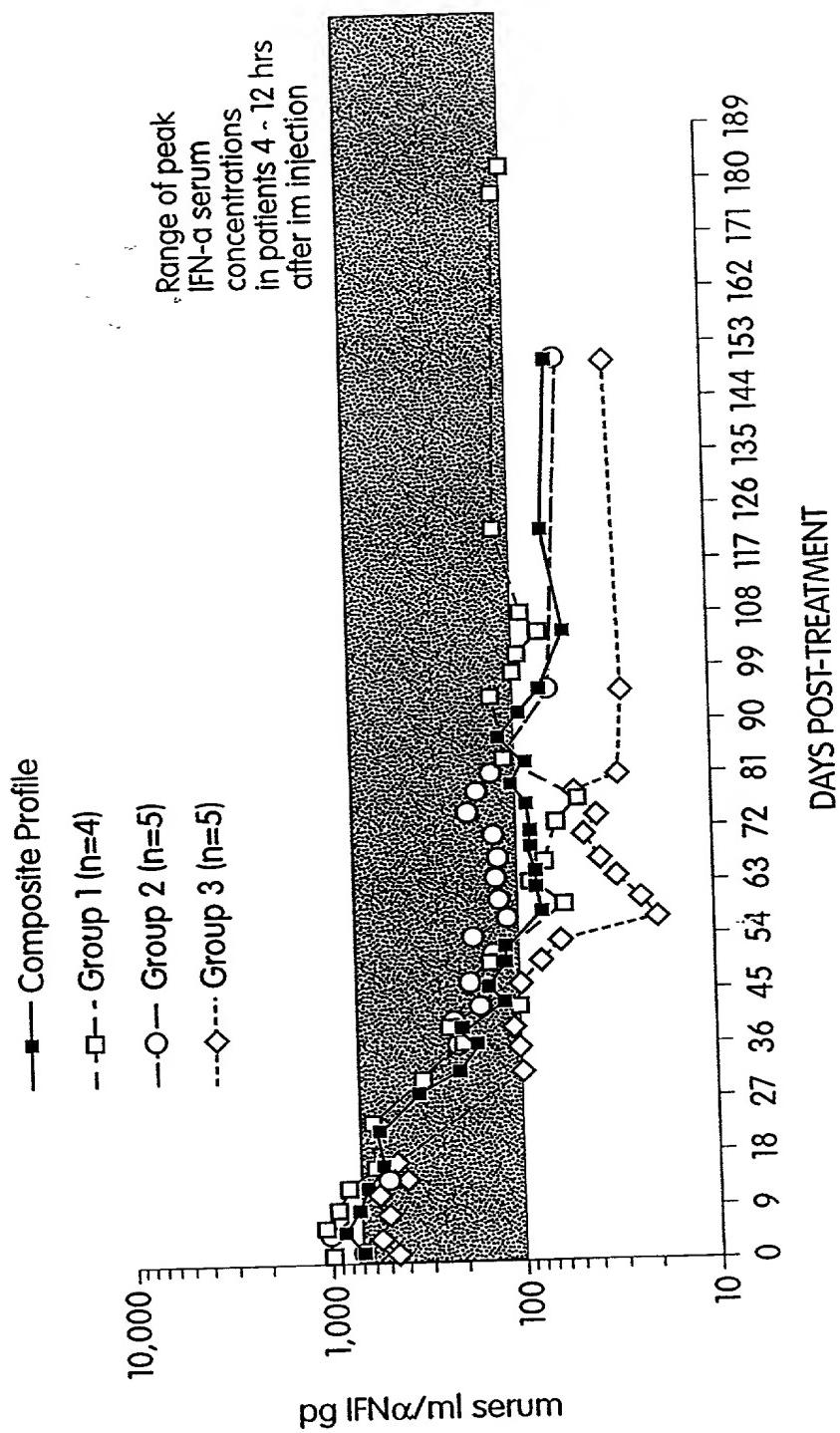


Fig. 10

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1	11	21	31	41	51	
IFN- $\alpha$ 2	<u>CDLPOTHSLG</u>	<u>SRRTMLLAQ</u>	<u>MRRIS<u>SS</u>FSCl</u>	<u>KDRHDFGFpQ</u>	<u>EEF-GNQFQK</u>	<u>AETIPVLHEM</u>
IFN- $\alpha$ 1	<u>CDLP<u>ETHSLD</u></u>	<u>NRTIMLLAQ</u>	<u>MSRIS<u>SP</u>SSCL</u>	<u>MDRHDFGFpQ</u>	<u>EEFDGNQFQK</u>	<u>APATSVLHEL</u>
61	71	81	91	101	111	
IFN- $\alpha$ 2	<u>IQQIFNLST</u>	<u>KDSSAAWDET</u>	<u>LLDKFYTYTEL</u>	<u>QLNDLEACV</u>	<u>IQGVGVETTP</u>	<u>LMKEDSILAV</u>
IFN- $\alpha$ 1	<u>IQQIFNLFT</u>	<u>KDSSAAWDED</u>	<u>LLDKFCTELY</u>	<u>QLNDLEACV</u>	<u>MQEERYGETP</u>	<u>LMNADDSILAV</u>
121	131	141	151	161		
IFN- $\alpha$ 2	<u>RKYFQRITLY</u>	<u>LKEKKYSPCA</u>	<u>WEVRAEIMR</u>	<u>SESSLSTNLQE</u>	<u>SLRSKE</u>	
IFN- $\alpha$ 1	<u>RKYFRRITLY</u>	<u>LTEKKYSPCA</u>	<u>WEVRAEIMR</u>	<u>SLSLSTNLQE</u>	<u>RLRRKE</u>	

Fig. 11A

	121	125	132	152	161	164	Relative Activity	Enhancement Factor	
IFN- $\alpha$ 2	0.2	---	arg --	gln --	lys ----	phe --	ser --	1	1
IFN- $\alpha$ 2-T132	0.2	---	arg --	gln --	thr -----	phe --	ser --	0.1	0.05
IFN- $\alpha$ 2-R125	0.2	---	arg --	arg --	lys -----	phe --	ser --	140	200
IFN- $\alpha$ 2-K121	0.2	---	lys --	gln --	lys -----	phe --	ser --	17	15
→ IFN- $\alpha$ 2-K121R125	0.2	---	lys --	arg --	lys -----	phe --	ser --	400	3000
IFN- $\alpha$ 2-R125T132	0.2	---	arg --	arg --	thr -----	phe --	ser --	23	10
IFN- $\alpha$ 2-K121R125T132	0.2	---	lys --	arg --	thr -----	phe --	ser --	170	150
IFN- $\alpha$ 2-H125	0.2	---	arg --	HIS --	lys -----	phe --	ser --	ser --	9
IFN- $\alpha$ 2-L125	0.2	---	arg --	LEU --	lys -----	phe --	ser --	ser --	5
IFN- $\alpha$ 2-K125T132	0.2	---	arg --	LYS --	THR -----	phe --	ser --	ser --	4

Fig. 11B

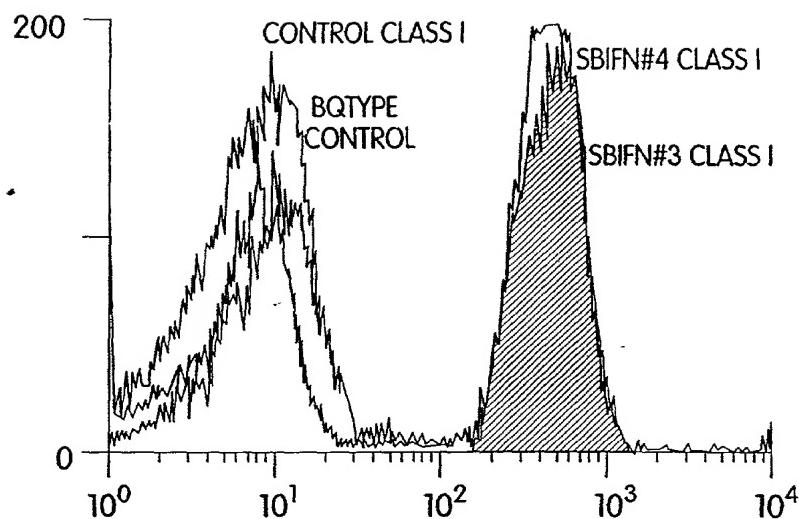


Fig. 12A

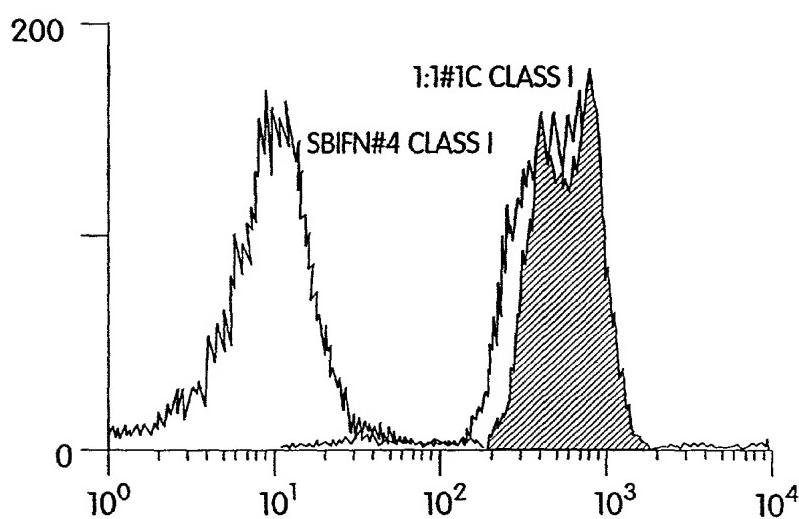


Fig. 12B

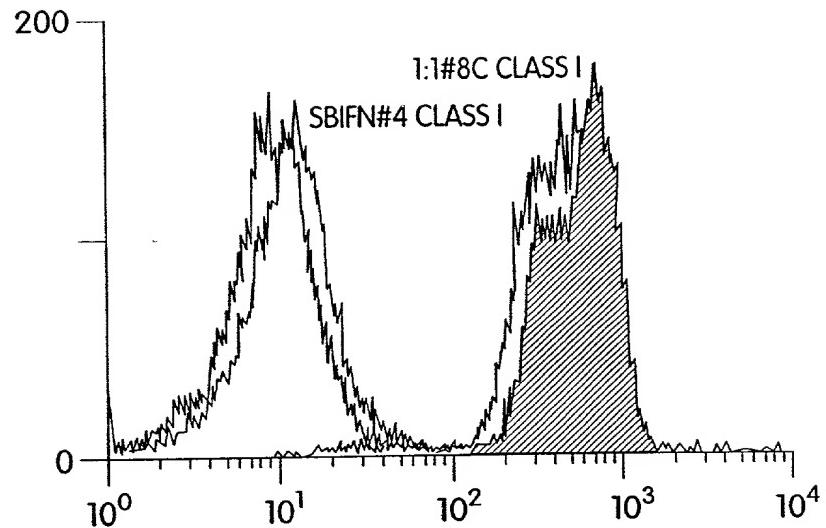


Fig. 12C

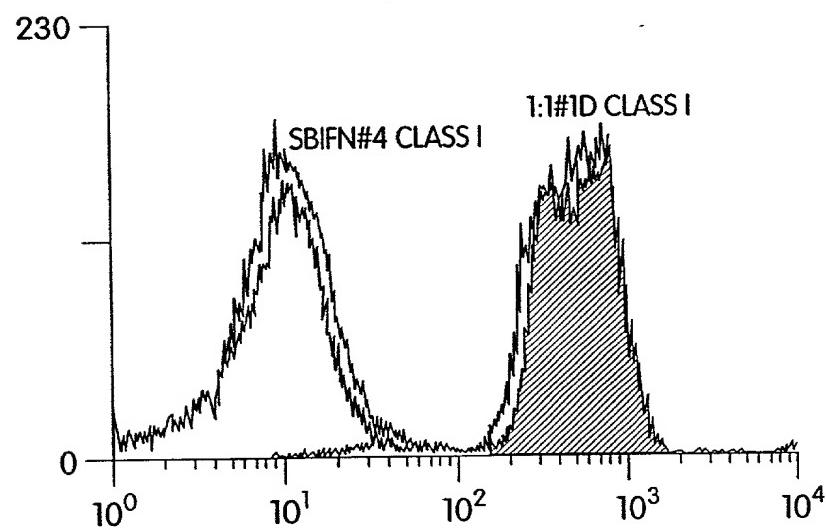


Fig. 12D

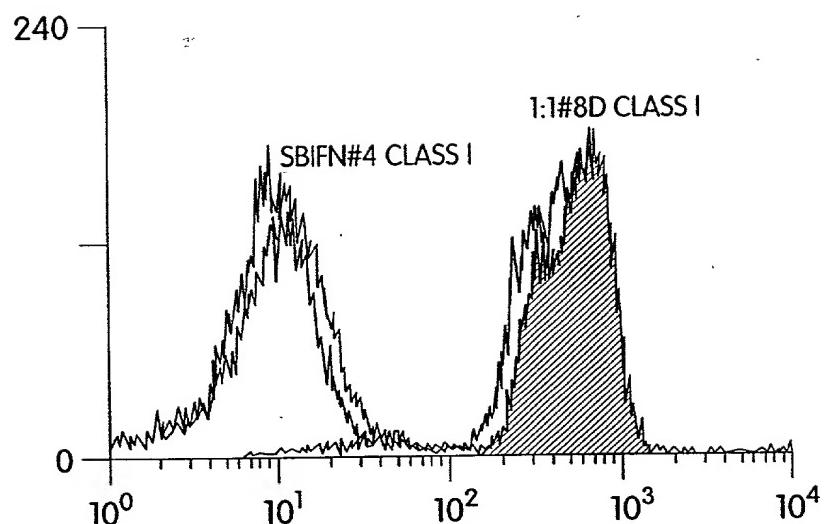


Fig. 12E